

AMENDMENTS TO THE CLAIMS

1. (Canceled.)

2. (Currently Amended) ~~The method of claim 1-A method for providing added weight to geothermal piping for insertion in a vertical geothermal well, the weight comprising a material having a density greater than fluidic material found in the vertical geothermal well and a material that is approved by appropriate organizations for non-contaminating contact with potable ground water, the method comprising affixing the weight to an outside of the geothermal piping wherein the weight comprises:~~

- (a) a ferrous material; and
- (b) a coating over an entire surface of the weight comprising a water impervious material.

3. (Original) The method of claim 2 wherein the water impervious material comprises polyethylene.

4. (Original) The method of claim 2 wherein the water impervious material comprises a powder coating.

5. (Original) The method of claim 2 wherein the ferrous material comprises steel.

6. (Original) The method of claim 2 wherein the ferrous material comprises cast iron.

7. (Canceled.)

8. (Currently Amended) ~~The method of claim 1-A method for providing added weight to geothermal piping for insertion in a vertical geothermal well, the weight comprising a material having a density greater than fluidic material found in the vertical geothermal well and a material that is approved by appropriate organizations for non-contaminating contact with potable ground water, the method comprising affixing the weight to an outside of the geothermal piping wherein the weight comprises a vessel filled with sand.~~

**9.** (Original) The method of claim **8** wherein the vessel is a pipe.

**10.** (Currently Amended) ~~The method of claim 1-A method for providing added weight to geothermal piping for insertion in a vertical geothermal well, the weight comprising a material having a density greater than fluidic material found in the vertical geothermal well and a material that is approved by appropriate organizations for non-contaminating contact with potable ground water, the method comprising affixing the weight to an outside of the geothermal piping wherein a plurality of weights are stackable, end to end.~~

**11.** (Original) The method of claim **10** including the step of coupling the weights together such that rigidity of the geothermal piping is enhanced.

**12.** (Currently Amended) ~~The method of claim 1-A method for providing added weight to geothermal piping for insertion in a vertical geothermal well, the weight comprising a material having a density greater than fluidic material found in the vertical geothermal well and a material that is approved by appropriate organizations for non-contaminating contact with potable ground water, the method comprising affixing the weight to an outside of the geothermal piping wherein said weight is elongated and has a cross sectional shape of a modified receptive square.~~

**13.** (Original) The method of claim **12** additionally comprising the steps of:

- (a) affixing the geothermal piping to first and second sides of the modified receptive square; and
- (b) affixing a tremie pipe to a third side.

**14.** (Original) The method of claim **13** wherein the first and second sides are opposite one another on the modified receptive square.

**15.** (Original) The method of claim **14** wherein, considering cross sectional shape of a modified receptive square, two pegs lie on a first line of symmetry, said pegs being symmetric about a second line of symmetry and two sockets, sized to receive said pegs, lie

on the second line of symmetry, said sockets being symmetric about the first line of symmetry.

**16.** The method of claim **15** wherein a plurality of weights are stacked end to end, the method additionally comprising the steps of:

- (a) engaging the pegs from an end of a first weight into the sockets in an end of a second weight; and
- (b) engaging the pegs from the end of the second weight into the sockets in the end of the first weight.

**17.** (Currently Amended) ~~The method of claim **1-A** A method for providing added weight to geothermal piping for insertion in a vertical geothermal well, the weight comprising a material having a density greater than fluidic material found in the vertical geothermal well and a material that is approved by appropriate organizations for non-contaminating contact with potable ground water, the method comprising affixing the weight to an outside of the geothermal piping wherein the step of affixing the weight comprises hanging the weight below an elbow at a bottom of the geothermal piping.~~

**18.** (Cancelled.)

**19.** (Currently Amended.) The method of claim **1-2** wherein the step of affixing the weight to the piping comprises taping the weight to the geothermal piping in a plurality of locations.

**20.** (Currently Amended) The method of claim **1-2** wherein the step of affixing the weight to the piping comprises clamping the piping to the weight with clamps.

**21.** (Canceled)

**22.** (Currently Amended) ~~The apparatus of claim **21** An apparatus for providing added weight to geothermal piping for insertion in a vertical geothermal well, the apparatus comprising an elongated member comprising a material denser than fluidic material found in the vertical geothermal well and a material being approved by appropriate organizations for~~

non-contaminating contact with potable ground water wherein the material denser than the material found in the vertical geothermal well is a ferrous material and the material that is approved by appropriate organizations for contact with ground water comprises a coating over an entire surface of the ferrous material, said coating comprising a water impervious material.

**23.** (Original) The apparatus of claim **22** wherein the water impervious material comprises polyethylene.

**24.** (Original) The apparatus of claim **22** wherein the water impervious material comprises a powder coating.

**25.** (Original) The apparatus of claim **22** wherein the ferrous material comprises steel.

**26.** (Original) The apparatus of claim **22** wherein the ferrous material comprises cast iron.

**27.** (Canceled)

**28.** (Currently Amended) The apparatus of claim 21 An apparatus for providing added weight to geothermal piping for insertion in a vertical geothermal well, the apparatus comprising an elongated member comprising a material denser than fluidic material found in the vertical geothermal well and a material being approved by appropriate organizations for non-contaminating contact with potable ground water additionally comprising:

- (a) a plurality of weights; and
- (b) couplings at each end of each weight for stacking the plurality of weights end to end.

**29.** (Original) The apparatus of claim **28** including means to couple the plurality of weights together to enhance rigidity of the geothermal piping.

**30.** (Currently Amended) The apparatus of claim 21 An apparatus for providing added weight to geothermal piping for insertion in a vertical geothermal well, the apparatus

comprising an elongated member comprising a material denser than fluidic material found in the vertical geothermal well and a material being approved by appropriate organizations for non-contaminating contact with potable ground water wherein said elongated member has a cross sectional shape of a modified receptive square.

**31.** (Original) The apparatus of claim **30** additionally comprising:

- (a) means for affixing the geothermal piping to first and second sides of the modified receptive square; and
- (b) means for affixing a tremie pipe to a third side.

**32.** (Original) The apparatus of claim **31** wherein the first and second sides are opposite one another on the modified receptive square.

**33.** (Original) The apparatus of claim **32** wherein, considering the cross sectional shape of a modified receptive square, the apparatus additionally comprises:

- (a) two pegs lying on a first line of symmetry, said pegs being symmetric about a second line of symmetry; and
- (b) two sockets, sized to receive said pegs, lying on the second line of symmetry, said sockets being symmetric about the first line of symmetry.

**34.** (Original) The apparatus of claim **33** wherein a plurality of weights are stacked end to end, the apparatus additionally comprising:

- (a) means for engaging the pegs from an end of a first weight into the sockets in an end of a second weight; and
- (b) means for engaging the pegs from the end of the second weight into the sockets in the end of the first weight.

**35.** (Currently Amended) ~~The apparatus of claim 21~~ An apparatus for providing added weight to geothermal piping for insertion in a vertical geothermal well, the apparatus comprising an elongated member comprising a material denser than fluidic material found in the vertical geothermal well and a material being approved by appropriate organizations for non-contaminating contact with potable ground water additionally comprising a hanger for hanging the weight below an elbow at a bottom of the geothermal piping.

Claims 36-40 (Canceled)